	Application No.	Applicant(s)
	10/003,777	WAKAHOI ET AL.
Notice of Allowability	Examiner	Art Unit
	Thomas H Parsons	1745
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R	(OR REMAINS) CLOSED in this apply or other appropriate communication IGHTS. This application is subject to	plication. If not included will be mailed in due course. THIS
1. This communication is responsive to the Application filed 1	<u>15 November 2001</u> .	
2. ⊠ The allowed claim(s) is/are <u>1-8</u> .		
3. \boxtimes The drawings filed on <u>15 November 2001</u> are accepted by	the Examiner.	
4. Acknowledgment is made of a claim for foreign priority unal All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 6. CORRECTED DRAWINGS (as "replacement sheets") must (a) including changes required by the Notice of Draftspers 1) hereto or 2) To Paper No./Mail Date	e been received. e been received in Application No cuments have been received in this of this communication to file a reply MENT of this application. hitted. Note the attached EXAMINER es reason(s) why the oath or declara st be submitted. son's Patent Drawing Review (PTO-	national stage application from the complying with the requirements 'S AMENDMENT or NOTICE OF tion is deficient.
Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t		
7. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT	osit of BIOLOGICAL MATERIAL r	nust be submitted. Note the
 Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/C Paper No./Mail Date	6. ☐ Interview Summary Paper No./Mail Dat 08), 7. ☐ Examiner's Amendr	te

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REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance:

U.S. Patent No. 6,620,540, in Figure 10, and the instant specification in Figure 7, which shows a conventional fuel cell, disclose a fuel cell stack comprising:

a stacked body having a plurality of stacked unit fuel cells, each unit fuel cell being placed between and supported by a pair of separators, wherein each unit fuel cell has an anode, a

fastening plates provided at either end of the stacked body in the stacking direction of the stacked body;

cathode, and an electrolyte membrane which is placed between the anode and the cathode;

bolt members inserted through the fastening plates in the stacking direction, wherein the stacked body is fastened together by fastening the fastening plates towards the center of the fastening plates by using the bolt members.

The prior art of record does not disclose an intermediate plate provided at an intermediate position of the stacked body in the stacking direction; and bolt members inserted through the intermediate plate in the stacking direction in a manner such that the movement of the bolt members with respect to the intermediate plate in the direction perpendicular to the stacking direction is restricted so as to fix the relative position between the intermediate plate and the bolt members in the relevant direction.

The instant application is directed toward a nonobvious improvement over the invention disclosed in the prior art of record wherein the improvement comprises the intermediate plate

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and the bolt members inserted therein. The Applicants disclose that the bolt members inserted into the intermediate plate can function as a guide for stacking unit fuel cells and separators, thereby improving the working efficiency in the stacking process and reducing errors in the shape of the unit fuel cells and separators, and bending of the stacked body in the stacking direction can be considerably reduced, and by restricting movement of the intermediate plate with respect to the bolt members in the direction perpendicular to the stacking direction, a shift of the intermediate plated due to vibration can be prevented.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thomas H Parsons whose telephone number is (571) 272-1290. The examiner can normally be reached on M-F (7:00-4:30) First Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Pat Ryan can be reached on (571) 272-1292. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR

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system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Thomas H Parsons Examiner Art Unit 1745

Patrick Ryan Supervisory Patent Examiner Technology Center 1700